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# FOLIO

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## Board of Governors

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*The regular monthly meeting of the University's Governors was held on Friday, 2 May. The following matters were among those addressed.*

### **New Rental Fees for University Residences**

At its monthly meeting, the Board gave approval for rental increases at all student residences. The increases will take effect in September, 1980.

At the Lister Hall Residence Complex, room and board for an eight month period in a double occupancy room will total \$1,890, a \$270 increase. A single room will be \$310 more, bringing the total to \$2,290. The same rooms for a four-month contract will be \$420, double, and \$625, single. A monthly contract for a double room will be \$115; the rate for single occupancy will be \$170.

In Pembina Hall, the graduate student residence, a standard room, including room and board, will increase by \$255 to a cost of \$2,090 while a large room will be \$2,340, \$275 more. These figures cover only a eight-month contract.

A double occupancy room with board at Faculté Saint-Jean residence will cost \$1,690 while a single will rise by \$205 to \$1,945.

Turning to apartments in the Housing Union Building (HUB), the monthly rates are as follows: one person unit \$180, unfurnished, and \$208, furnished; two person unit \$260 and \$290; four person unit, \$400 and \$465. A special end unit will be \$280, an increase of \$10.

The North Garneau Housing Community will see rents increase by \$42, totalling \$564 per month.

The only rent increases, which will take effect 1 July 1980, are for those houses situated in Michener Park. The three bedroom rowhouses will go up to \$260 and the two bedrooms to \$245. The two bedroom unit in Vanier House will increase to \$245 as well. Second and third floor maisonettes will increase by \$20 to \$240 while the ground floor maisonettes will go up to \$210. In the Galbraith tower, a two bedroom unit will cost \$235. All changes are on a monthly basis.

### **Appointment**

The Academic Concerns Committee of the Board reported for information the appointment of *R.A. Silverman* to the chair of the Department of Sociology. Dr. Silverman will assume his duties on 1 August 1980 for a three-year term.

A native of Toronto, Dr. Silverman received his post-secondary education at the University of Toronto and the University of Pennsylvania, obtaining Master of Arts and Doctor of Philosophy degrees at the latter institution.

He began his teaching career in 1968 as an instructor in the University of Pennsylvania's sociology department. In 1971, Dr. Silverman joined the sociology department of the University of Western Ontario. He came to The University of Alberta in 1975.

Dr. Silverman was director of undergraduate studies in sociology

at this University and is currently Co-ordinator of the Centre for Criminological Research. His major area of research is criminology and he has acted as the principal investigator on projects involving both the federal and provincial Solicitor General's Departments.

Dr. Silverman will replace Dr. White who was recently appointed Dean of the Faculty of Arts.

### **Nursing One of Three Faculties to Expand Quotas**

People in The University of Alberta's Faculties of Nursing, Business Administration and Commerce, and Rehabilitation Medicine are all still smiling two weeks later. The University, having received a grant of \$810,000 from the provincial government, will expand the Faculties' admission quotas for 1980-81.

Nursing will be able to accept 144 students (double the current quota) in the first year of the Post RN, Bachelor of Science Nursing program; enrolment in Business Administration and Commerce will increase from 410 to 485; and the Department of Occupational Therapy within Rehabilitation Medicine will have a quota of 36, an increase of six students.

In Nursing, the increase of 72 students includes 36 students in Edmonton in September and another group of 36 which will be worked into the program in stages.

Dr. Zelmer, Dean of Nursing, says that there are sufficient applications now for the first

category and that nursing representatives will be visiting St. Paul, Red Deer, Grande Prairie, and Fort McMurray next month to work out the details of the teaching of courses in one of those centres. Courses would be taught in the remaining centres in the ensuing years.

Basically, the Faculty will offer one year of university study over a two-year period off campus. This will allow individuals to hold jobs while pursuing a nursing education. They would attend the University full-time for the final year of study.

The expansion will necessitate the filling of five new full-time positions in the Faculty.

In Business Administration and Commerce, the increase of 75 students is made up of 50 first-year students and 25 transfer students. Eight new full-time positions will be established.

The increase in Rehabilitation Medicine is of a supplemental nature and no new positions are required.

For Nursing, the government grant pertains to the first intake of students in September of 1980 and plans are underway to seek further funding to extend the expansion beyond 1980-81. It will not be necessary for Business Administration and Commerce to apply for additional funding.

### **East Asian Studies**

At its meeting on 2 May, the Governors gave formal approval to the proposed establishment of a Department of East Asian Languages and Literatures within the Faculty of Arts.

Implementation of this new Department is intended for the fall of 1980. Such action, however, is subject to the receipt of special new program funding from the provincial government. The projected date to begin operation, that is teaching students, is the fall of 1981, in order to allow time for new positions to be advertised and new courses approved.

The objective of the new department will be to bring this existing program, staff and students of Chinese and Japanese, into one academic and administrative unit. By creating such a department, the University is also recognizing East Asian languages and literatures, like those of Europe, as significant cultural forces in the history of civilization.

The University of Alberta has the largest enrolments in Japanese, exceeding those at all other major Canadian universities. The University will be the only major centre in the three prairie provinces to provide such study, the nearest major centres now with East Asian departments are the Universities of British Columbia and Toronto.

The operating budget for this

first year is expected to be \$172,680 while \$212,452 is the projected budget for the second year.

### *Paving and Grounds*

The Board of Governors approved a total expenditure of \$962,000 for a composite of several projects included in the Paving and Grounds Program for 1980-81. The program consists of various non-transferable line items in the Capital Budget requested by the Board of Governors and approved by the government.

In round figures provision is made for the upgrading of certain parking lots at \$205,000, new tennis courts at \$107,000, up-grading of outdoor lighting in certain areas at \$100,000, and hard landscaping (i.e. paving, walks, curbs, gutters, irrigation drainage, etc.) at \$552,000.

Some of the funding for planting is a carry-over from previous years when work could not be completed because of inclement weather. Last year, only one bid was received on

the call for tenders and this was rejected by the Board Building Committee as being too high. This decision has now proved to be a good one since a 10 percent saving on the same items is achieved this year, even after allowing for the normally expected inflationary increase.

Carmacks Construction Ltd. won the contract as the lowest of three bidders. Their work will include, as weather permits, sites such as 88th Avenue/University Health Sciences, Home Economics/D Zone parking, Coal Institute Building, Chemical/Mineral Engineering, Faculty Club, V Zone and Z Zone, HUB South Entrance, some peripheral walks, two tennis courts north of Kelsey Hall, additional exterior signage, and improvement of exterior lighting as a security measure against personal attacks and vandalism.

### *New Member*

A new Board member was welcomed at the meeting on 2 May. Janet Bentley has been appointed as a public member

by the Minister for Advanced Education and Manpower.

Mrs. Bentley, who holds a Bachelor of Arts degree from this University, lives in Edmonton and has long been associated with, and involved in, a wide variety of community-related endeavors. For example, she was a prime mover in the establishment of the Citadel Theatre and played a very active role on the committees that supported the XI Commonwealth Games.

In 1975, Mrs. Bentley was chosen to represent Women of the Arts during the City of Edmonton International Women's Year. She continues her active involvement in volunteer and professional organizations, and has served as President of the Junior League in Edmonton and as ladies' Chairman for the National Convention of the Canadian Institute of Chartered Accountants. As a part of her responsibilities as a Governor of The University of Alberta, Mrs. Bentley will be a member of the Committee on Community Relations. □

## FOLIO

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## The Norma Freifield Reserve Reading Room

At the 2 May meeting of the University's Board of Governors, unanimous approval was given to a proposal that the Reserve Reading Room in the Cameron Library be named the Norma Freifield Reserve Reading Room. The change in nomenclature honors the massive contribution which Miss Freifield, current head of the University Library's Circulation Services, has made to this institution throughout her thirty-nine year career at The University of Alberta.

Miss Freifield, who will retire at the end of May, became a University employee in 1941. At the time of her joining the University the Library was housed in 110 Arts Building. In 1946, Miss Freifield was placed in charge of the Circulation Desk and Stacks and, in 1951, was appointed Circulation Librarian with



wider responsibilities, including the operation of the Reserve Reading Room. In 1970, Miss Freifield assumed her present duties and, since that time, has been responsible for the circulation in the Coutts, Rutherford, and Cameron Libraries.

Miss Freifield will be remembered long by students, staff, and alumni of The University of Alberta. It was she who made the ultimate decision concerning disputes over fines and lost material.

The Board, in approving the change of name of the Reserve Reading Room, expressed deep gratitude for the services of Miss Freifield. Only rarely are members of the University's non-teaching staff honored in such a lasting and public fashion. Yet without the devotion and dedication of Miss Freifield and her colleagues in the administrative ranks, this University would never have achieved the international stature it now possesses, nor could the goals of this institution, the education of students and the advancement of knowledge, ever be attained. □

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## Dr. Horowitz addresses our Friends

We should not be content to be considered as merely a "pretty good" University. Faculty mobility should be increased either by the offering of term appointments or also by exchange with other educational, industrial and governmental institutions. Where will we recruit teaching and research staff in the late 1980s and 1990s, if we do not make efforts now to nurture and promote young scholars who display imagination, originality and determination? These are only a few of the topics addressed in a wide ranging discussion of the University's priorities which Myer Horowitz presented to the annual meeting of The Friends of The University of Alberta a week last Monday, 5 May.

Dr. Horowitz very quickly warmed to the topic of his address. He noted the increase in funding from the provincial government over the last four decades. While not hesitating to criticize deficiencies when appropriate, Dr. Horowitz stated that, relative to institutions elsewhere in the country, "we don't have too much to complain about—if all that we are interested in is a pretty good University." But, the President continued, we have the potential of becoming a "great" institution, and this needs more imaginative thinking than is evidenced in the need to cut positions at the University, despite the nine and one half percent increase in the current year's budget. Dr. Horowitz however, did praise the provincial government, inasmuch as in the current budget year it has recognized the need for special funds for innovative and exciting projects—for example, the Post-RN BSc program which will be taken to people working outside the metropolitan area of Edmonton, in such centres as Grande Prairie, St. Paul, Fort McMurray and Red Deer. As an example of the government's support, Dr. Horowitz also pointed to the more than fifty percent increase in this year's

budget for the replacement and purchase of capital equipment. The University, he said, suffers from an inflation rate in the purchase of material essential for research and teaching, which is much higher than the country's average.

Also in the area of funding, the President adumbrated his conception that The University of Alberta could become, as it were, a public institution privately endowed. Relations with funding agencies other than governments should be fostered and enhanced. Endowed chairs, fellowships, and the like could significantly ameliorate conditions in lean years and, in years of plenty, increase the University ability to attain its goals.

The University's problems are not solved yet, however. According to Dr. Horowitz, a "painful" experience occurred recently when he and his colleagues in the senior administration had to decide where to wield the axe. This year, as last, the base operating budget is just too low. In 1979-80, twenty-seven permanent academic positions had to be cut. In 1980-81, a further twenty positions will be lost.

Dr. Horowitz was not downcast or gloomy as he spoke to the Friends about the University's priorities, for all that the twenty lost positions disturb him deeply. "We are responsible. We serve society well—I feel that more today than I did a year ago. There isn't a development of significance that hasn't touched some of my colleagues. We are sensitive to changing needs and so we are willing to alter priorities. But, I promise you that we shall do so only with sense, with compassion, with feeling, with sensitivity because we will not destroy the heart of this University in the process, no matter what the pressures of the outside. We can become great, truly great. We have the roots and the foundation to permit us to grow in the direction of

excellence. Governments must be responsive; for if they aren't, they fail not only the University but the total society. We also need non-governmental support. I hope you will help me achieve my aim."

The Friends of The University of Alberta responded with warmth to Dr. Horowitz's address. They, the Friends, ever since their first meeting in October 1943 during the presidency of Dr. Newton, have worked—often behind the scenes—to promote the welfare of this institution. Although the annual sponsorship of the Henry Marshall Tory Lecture is perhaps their most public activity, The Friends of The University of Alberta have contributed widely to this University. They

have assisted in the purchase of research equipment, they have made a special effort to help our Library obtain rare and essential books and works of reference, they have provided annual scholarships and bursaries. In addition, they have assisted the publication of books and papers by members of the University.

In the constitution of the Friends there is the following statement: "It will be the aim of the Friends to be helpful in fostering good public relations and in bringing the needs of the Institution to an ever-widening circle, to the end that the University shall fulfil the high hopes and aspirations of those who launched it on its way in 1907." □

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## University Sells Land to Government

The University of Alberta has sold approximately forty-eight acres in the north-east corner of its Edmonton Research Station (the University Farm) to the provincial government. President Horowitz announced this during an address to the annual meeting of The Friends of The University of Alberta on Monday, 5 May. The sale will realize some \$14.4 million which will be placed in investments to allow additional support for projects not normally funded or not adequately funded from other sources of revenue.

The sale of the property, which will provide the government with a consolidated lot between its School for the Deaf on 113 Street and the Longman Building on Belgravia Road at 116 Street, is entirely consistent with University policy, Dr. Horowitz explained. Land owned by the University essentially is land held in trust for the people of Alberta, said the President, and the revenue gained from the sale of such land will help our University achieve its

educational goals and objectives with regard to the people of this province. Among the benefits envisioned as a result of the sale are enhanced support for research projects, especially in the Humanities, Sciences and Social Sciences, and an increased number of fellowships, assistantships and visiting professorships.

The land itself will be put to good use by the provincial government. It is anticipated that a building to be used by Alberta Agriculture will be constructed on the site. In itself, this will lead to an increased liaison with the University's Faculty of Agriculture and Forestry, for which the Edmonton Research Station is used as a teaching and research laboratory. Other facilities, which will be of a low-scale, low-density nature, may include a treatment and rehabilitation centre for the multiple handicapped. In addition, provision will be made for the possible development of an LRT station and a bus interchange. □

## Fun at the Farm

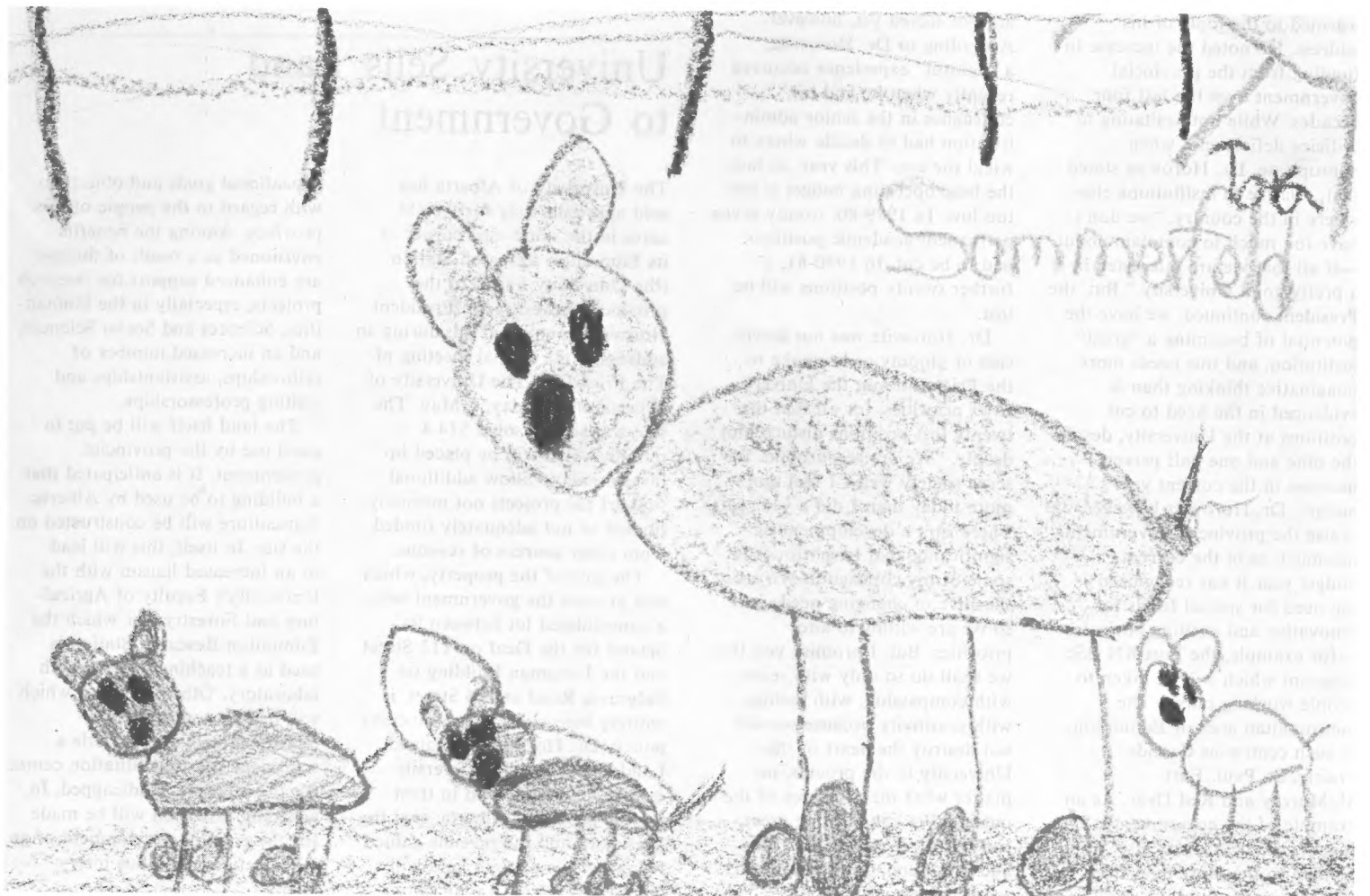
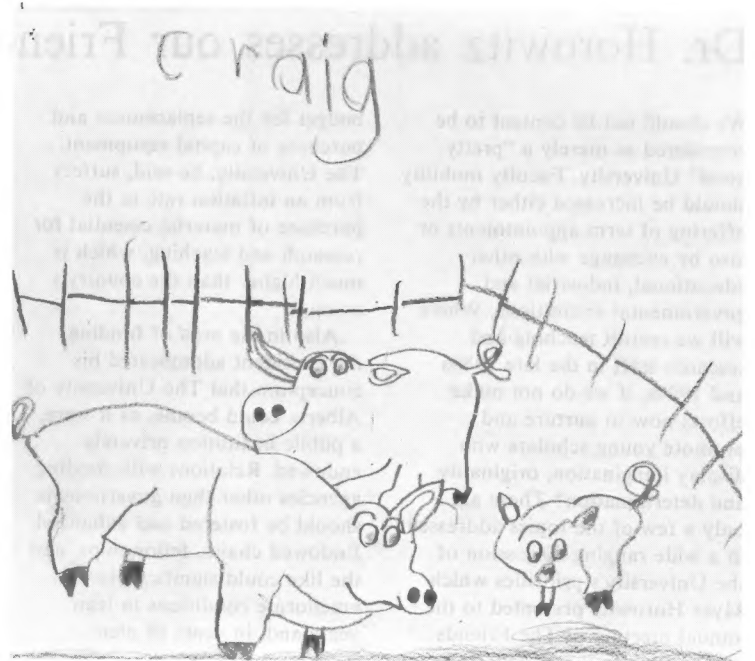
Between the time the 1980 University of Alberta Farm Tours commenced on 28 April and 9 May, 2,971 children and 520 adults have converged on the Edmonton Research Station. The extremely popular tours, conducted by the Office of Community Relations in cooperation with the Department of Animal Science, have been running now for nine summers. During the two-month program this year, eight tours will be conducted each day, Monday through Friday. As of 9 May 157 tours had been given, and virtually all the available tours booked!

The tours are designed for children between the ages of

three and eight years. Although quite often groups ranging in age to adulthood attend special tours. About seventy-five percent of the children who attend have never before seen a farm or live domestic animals in their farm environment.

The popularity of the farm has reached beyond the city itself. Already school children from Devon, Ardrossan, Sherwood Park, and St. Albert have turned out to the Farm, a few blocks south of the campus.

As can be expected, large numbers of children wandering about an unfamiliar environment will lead to numerous amusing situations. Watch for some of these in future issues of *Folio*. □



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## Health Sciences Audiovisual Education: New Programs

The following programs have been acquired by the Audiovisual Library of the division of Health Sciences Audiovisual Education (HSAVE). They are housed in 2-54 Medical Sciences Building. For information about the programs, please contact the Audiovisual Library, telephone 432-3096. Until September, the Library's hours are from 8 a.m. to 11:45 a.m. and from 1:15 p.m. to 4 p.m., Monday to Friday.

CM-387: "Death, Our Constant Companion." A thirty-minute Videocassette. HSAVE

S. MacDonald/HSAVE, 1972.

ST-306: "Factors Influencing the Response of Asthma to Therapy." A twenty-five minute slide/tape presentation. HSAVE E.R. McFadden/American Thoracic Society, 1979.

SS-019: "Occupational Health." A slide/script presentation. HSAVE/American Occupational Medical Association, 1978.

CM-386: "Unwanted Teenage Pregnancy." Videocassette. Nelson/HSAVE, 1973. □

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## 75 And Growing

To celebrate Alberta's 75th Anniversary, the Edmonton Public Library has organized a project entitled *75 and Growing* in order to publish a collection of writing and art done by children in Edmonton. Organized with the cooperation of the Public and Separate School Boards, the main objective of this project is to give children in Edmonton, who represent the future of Alberta, an opportunity to express their opinions about our province and have their views published for circulation. The theme of the project is "Alberta—what do the children think of the province and what they expect from the province."

The Library will select writing (in English or French) in poetry, prose, drama, quotable quotes, and art by school children in Edmonton from Grade One to Grade Twelve, for publication. The theme for the writing and art can be the children's observations of Alberta's past, present or future. It can be a social comment. It can be an appreciation of an Alberta scene—city or country. It can be a comment on an activity—sports, art, theatre, dance, for example. It can be a

critique on our government. It can be an observation of their parents or their peers. It can be an observation of Alberta's relationship with the rest of the country. It can be their hopes for the future.

Children can pick up their entry forms from their schools or any Edmonton Public Library branch or booktrailer. Each child can enter his/her work in any one of the five categories. Initial selection will be done by the schools. Each school can submit one entry from each category from each grade. All entries have to be submitted by the schools to the nearest public library or booktrailer on or before Friday, 30 May, 5:30 p.m.

Final selection will be made in June by judges invited by the Library. Students whose work has been selected will be notified before the end of June.

Selected work will be published in November to coincide with the Children's Book Festival held in the Library. Selected students will be invited to a presentation ceremony to mark the end of the project. Some of the children's work may be displayed in library branches at the end of the year. □

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## Engineering Professor Receives \$75,000 Grant

N. Berkowitz, Professor of Fuel Science in the Department of Mineral Engineering at The University of Alberta, was recently awarded an initial grant of \$75,000 by the Alberta Department of Energy and Natural Resources. It will be used to start the construction of a small continuous coal liquefaction pilot plant which, when completed, will also be used to test alternative liquefaction techniques and their applicability to Alberta coals. It will also be designed to afford an opportunity for research aimed at improved technology.

An important aspect of the facility is that it will provide an opportunity for training graduate students in new coal conversion

technologies and so contribute to the supply of qualified engineers and scientists in industry. Dr. Berkowitz is in the process of developing other coal conversion related facilities and it is hoped that research in this area will be supported by private industry as well as government agencies.

These facilities are seen as an important component in the University's increasing involvement in energy related research and development. The coal liquefaction plant, together with other existing facilities will allow The University of Alberta to maintain its leadership in energy related research and development particularly in the area of fuel conversion. □

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## Institute for Coal Research Established

An Institute for Coal Research has been established in the Faculty of Engineering at The University of Alberta. The purpose of the Institute will be to provide a strong focal point for coal related research at the University by having the Institute encourage cooperation between researchers working on problems related to coal. The Institute will be located in the Department of Mineral Engineering but it is hoped to encourage cooperative research between staff members from other disciplines. It is expected that the coordination of research activities by the Institute will allow the development of an expanded, more integrated coal research program and, in turn, be beneficial to undergraduate and graduate courses that focus on coal related topics. In addition it is hoped that the Institute for Coal Research will be able to attract industrial research funds

as well as graduate students and postdoctoral research fellows.

N. Berkowitz, Professor of Mineral Engineering, will act as coordinator for the Institute. □

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## New Prize in History

A new prize in History was announced on Friday, 2 May 1980. The prize, called "The James Barrington Prize in South East Asian History" has been endowed by a group known as the Friends of James Barrington to mark the pioneering efforts of Professor Barrington in the introduction of South East Asian History at The University of Alberta. The prize will be offered annually to the student who achieves the highest standard in South East Asian History. It is valued at \$300 and will be offered for the first time in the spring of 1981. News of the prize was communicated to Professor Barrington at a reception held in his honor at the Faculty Club. □



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## Golden Bear and Panda 1980 Summer Sports Programs

The 1980 Golden Bear and Panda Summer Sports Programs commence 21 May at The University of Alberta. This year's program features specialized camps in thirteen activities: basketball, field hockey, figure/power skating, gymnastics, hockey, soccer, swimming, tennis, track and field, football, volleyball, wrestling, and athletic injuries. Each sports camp varies in duration and the number of sessions offered.

This summer marks the fourteenth season that the Department of Athletic Services has been conducting the summer sports camps. The programs are designed to provide each participant with the best available instruction in fundamentals and techniques in the sport which

he or she enters.

Instructors for the programs will include Golden Bear and Panda coaches, Physical Education staff members, and members of the various Golden Bear and Panda teams. Excellent instruction, combined with the outstanding facilities in the Physical Education and Recreation Centre, ensures the participants a tremendous educational experience.

For those interested, residence accommodation is available at the Lister Hall Complex. The Summer Sports Programs continue until 23 August. For information on specific sports camps, brochures, or for applications please call 432-5705. (W1-34 Physical Education and Recreation Centre). □

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## Children in Zimbabwe

For many years people in the newly independent country of Zimbabwe have experienced the horrors of guerilla warfare. This has been the case especially in the rural districts where the exigencies of military action have affected all sections of the population with equal hardship. Among those affected by the prolonged warfare, perhaps those who have suffered most are the children of Zimbabwe. They have been maimed, made blind, burned, and orphaned. It is for such as these that the Jairos Jiri Association for Rehabilitation of the Blind and Disabled has sent out representatives to tour Europe and North America looking for financial assistance.

The Association founded several decades ago by Mr. Jiri (who is one of the three representatives visiting Edmonton from

25 to 27 May) is a "grass roots" organization which operates under great difficulty rehabilitation and vocational training centres in Zimbabwe. It is especially concerned with the plight of the children in that country.

Mr. Jiri and his two colleagues will visit the University on Monday, 26 May, to deliver a talk accompanied by a film on the subject of community health in Zimbabwe. At the time of going to press, the details of the visit were not finalized but more details will be advertised if possible in next week's *Folio*. For the time being, members of the University community are urged to contact Dr. J.B. Dossetor at the Division of Nephrology, The University of Alberta Hospital, telephone 432-6222. □

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## Migrane Sufferers

Migraine headache sufferers are needed to participate in a series of studies at The University of Alberta. A number of people will be selected to take part in a treatment program offered this spring by Dr. George Fitzsimmons and colleagues in the Department of Educational Psychology. You may qualify for this study if you are between the ages of eighteen and fifty-five, have been suffering with at least one migraine headache per

month for at least the past two years, could attend two one-hour treatment sessions per week for four weeks, and are not using oral contraceptives. Those selected for the treatment program will be asked to pay a registration fee of \$40 to defray material costs during their time in the study. If you would like to register for this study please call 437-2092 between the hours of 9 and 11 a.m. weekdays. □

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## Grants-in-Aid for Northern Research

The following people have been awarded grants by the Boreal Institute for Northern Research at The University of Alberta. The period of the grants is for 1980-82 and they are disbursed under the Institute's federal and provincial governments' grant-in-aid programs. Unless stated otherwise, all researchers are associated with our University.

### *Government of Canada*

*T.D. Andrews*, Anthropology.

Late Prehistoric Athapaskan Archaeological Collections Comparative Studies. Yukon; Anchorage and Fairbanks, Alaska.

*J. Bain*, Botany. A systematic study of the *Senecio streptanthifolius* Greene complex in North America. Whitehorse; Dawson; Hay River; Kananaskis.

*P.S. Barry*. Complete for publication the History of the Canol Project (*Phase I*. Development of the air fields; related technical and diplomatic papers). Canol line; Yukon; Ottawa.

*M. Bombin*, Anthropology. Studies related to the Use of Phytolith Analysis for the Reconstruction of Pleistocene Steppes of Eastern Beringa. Kew, England; Moscow and Leningrad, USSR.

*S.C. Cole*, Memorial University of Newfoundland. Problems of Identity of Contemporary Inuit Youth. Yellowknife; Resolute; Frobisher.

*T. Gibson*, Anthropology. Selective Explorations and Explanation of Crucial Archaeological Features at the Caribou Island Early Man Site, Northern Alberta. Caribou Island Early Man Site.

*R.I. Hastings*, Geography. Provision of detailed ecological information on Involut Hill, NWT. Tuktoyaktuk.

*J.A. Janssens*, Botany. Historical bryogeography of Eastern Beringia: subfossil Bryophytes from Alaska and the Yukon. Ottawa; Vancouver.

*D. Morrison*. The Archaeological Excavation of three Thule Sites on Western Coronation Gulf, NWT. Western Coronation Gulf.

*P. Nosko*, Botany. Evidence of rhizospheric nitrogen fixation in arctic graminoids. Devon and King Christian Islands, NWT.

*J.M. Saville*, Anthropology. Effects of European contact on the development of the historic Netsilik Inuit culture. Resolute, NWT.

*D.W. Schnurrenburger*, Anthropology. Caribou Island

Archaeological/Geological Project. Caribou Island Early Man Site.

*B. Schweger*, Home Economics. Documentation and Analysis of Explorers' Clothing Systems in the Arctic Prior to 1920. Calgary; London; Cambridge; Hanover; New Bedford, Mass.; Winnipeg; Ottawa.

*P. Stewart*, Community Development. An Exploratory Study to Identify the Conditions prerequisite to the Implementation of a Community-based RN Diploma Nursing Program in Northern Alberta. Northeastern Alberta.

*T.G. Stewart*, Geography. The Sedimentary Environments and Associated Fauna of Holocene Marine Deposits, Clements Markham Inlet, Ellesmere Island, NWT. Ellesmere Island.

#### Government of Alberta

*S. Bondrup-Neilsen*, Zoology. The Importance of Early Maturation on the Demography of the Red-Backed Vole, *Clethrionomys gapperi*. Lesser Slave Lake.

*L. Carbyn*, Canadian Wildlife Services, Edmonton. Summer Wolf/Bison Studies in Wood Buffalo National Park. Wood Buffalo National Park.

*M.R. Carroll*, Rural Economy. Long Run Viability of Forest Industries in Northern British Columbia and Southern Yukon. Vancouver; Whitehorse.

*R.B. Charlton*, Geography. Chemical Analysis of Cooling Tower Snow-Fall Collected on Very Cold Days. Edmonton.

*D.C. Currie*, Entomology. Ecology and Zoogeography of Aberrant Rocky Mountain Black Flies (*Diptera: Simuliidae*). Rocky Mountain Front Ranges—Alberta; BC; Yukon.

*M.J.M. Duke*, Geology. Uranium and Thorium contents of Post-Proterozoic Strata in Northern Alberta. Northern Alberta.

*J. England*, Geography. Quaternary Glaciation, Glacio-isostasy and Paleoclimatic Change; Northern Ellesmere Island, NWT. Northern Ellesmere Island.

*V. Gotceitas*, Zoology. The Macro-invertebrate fauna of a

water-fall on Dyson Creek, Alberta. Turner Valley, Alberta.

*R.M. Gotthardt*, University of Toronto. Archaeological Reconnaissance in the Headwaters of the Rock River, Yukon Territory. Rock River, Yukon.

*C.G. Hickey*, Anthropology. Intensive Field Study of a Large, Surface Archaeological Site in Banks Island, NWT. Banks Island.

*E.A. Johnson*, University of Calgary. Patterns of Recombination Systems in Plant Communities Along Three Environmental Gradients in the Subarctic. Fort Smith area, NWT.

*B. Jones*, Geology. Devonian Brachiopods of Bathurst Island, Arctic Canada. Bathurst Island, NWT.

*P.K. Keiser*, Civil Engineering. Rock Avalanches in the MacKenzie Mountains. Norman Wells area, NWT.

*R. St. J. Lambert*, Geology. Origin and History of the Tsu Lake Gneiss Terrain. Tsu Lake, NWT.

*J.-F. Landry*, Entomology. Ecology and Niche Relationships of a Marsh *Agonum* (*Coleoptera: Carabidae*) Guild of the Boreal Forest. George Lake, Alberta.

*R.W. May*, Geology. Glacial Geology and Geomorphology of the Donjek Glacier, St. Elais Mountain, Yukon Territory. Kluane Lake area.

*N.R. Morgenstern*, Civil Engineering. Geotechnical and Geological Synthesis of Beaufort Seabed Conditions. Laboratory Project.

*R.A. Mutch*, University of Calgary. Life History of *Zapada columbiana* (*Plecoptera*) and *Homophylax* sp. (*Tricoptera*) with Respect to Allochthonous Organic Matter. Kananaskis Valley.

*P.A. Nielsen*, Geology. Mineralogy and Petrology of Mattberry Lake, NWT—115°45' 116°15' W. long. 64°00'—64°15' N. lat., approximately 210 km N. of Yellowknife, NWT. Mattberry Lake, NWT.

*K.O. Nieman*, Geography.

Evaluation of Airborne Remote Sensing in Snow Avalanche Prediction. Highwood Pass; Rogers Pass.

*E. Prepas*, Zoology. Applicability of Existing Phosphorus and Chlorophyll Models to Prairie Lakes. North of Edmonton.

*S. Herrero*, Biology, and *D. Reid*, University of Calgary. The Population Biology and Behavioural Ecology of the River Otter, *Lutra canadensis*, in Northeastern Alberta. Northeastern Alberta.

*D.J. Smith*, Geography.

Morphology and Dynamics of Solifluction Lobes in Two High Alpine Areas of the Alberta Cordillera. Mt. Rae area, Alberta.

*D.A. Soluk*, Zoology. Ecology of *Ephemeroptera* Occupying Sandy Substrates in a Boreal River. North-central Alberta.

*C. Thomson*, Memorial University of Newfoundland. Shuldham Island Archaeological Project. Shuldham Island, Saglik Bay, Labrador. □

## people

*Norman Yates*, Art and Design, has been invited as Visiting Artist to attend the PEI Art Summer 80, which is a studio workshop to be held in Prince Edward Island from 7 to 11 July 1980.

*Eugene Egert*, Professor of Germanic Languages, recently read a paper on "Martin Opitz and Medieval German Literature" at the Pacific Northwest Council on Foreign Languages in Seattle, Washington.

*B.J. Busch*, Head, Herbert T. Coutts (Education) Library was recently elected Vice-President (President-Elect) of the Library Association of Alberta. Mrs. Busch will be responsible for the Association's annual conference next year, which will be held in conjunction with the Library Association of British Columbia and the Library Association of Saskatchewan at Jasper Park Lodge.

*Bruce Bain*, Educational Psychology, conducted a ten-day workshop for the Saskatchewan Northern Lights School Division, at Lac La Ronge on the topic of teaching English as a second language to natives, immigrants and minorities.

## coming events

Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to 423 Athabasca Hall.

### Music

#### Department of Music

15 May. 8 p.m. "Spring Musicale." Music in Miniature series presents the woodwind quintet. Convocation Hall. Free admission.

#### SUB Theatre

16 May. 8 p.m. "1755" in concert. 22 May to 31 May. 9 a.m. to 10 p.m. each day. Alberta Dance Educators Association. Alberta Dance Festival/Competitions. Tickets available at the door.

#### Jubilee Auditorium

16 May. 8 p.m. "Dnipro Ensemble" celebrates 75th Anniversary. 17 May. 9 p.m. Ismailia Cultural Festival. 20 May. 8 p.m. New Christy Minstrels. 23 May. 7:30 p.m. Ukrainian National Federation. 24 May. 6 and 10 p.m. Harry Belafonte.

25 May, 8 p.m. Edmonton Youth Orchestra.

### *Provincial Museum*

18 May, 2 p.m. Edmonton Philharmonic Orchestra presents their Spring Concert. Free admission.

24 May, 7:30 p.m. The Philippine Bayanihan Association presents a concert of traditional dances and music. Tickets \$5 at the door.

25 May, 2 p.m. Cultural Heritage Performance. Ukrainian Arkan Dancers.

### *Edmonton Public Library*

#### *Sunday Concert Series, Centennial Library*

18 May, 2:30 p.m. Brass quintet. (Music Rooms)

25 May, 2:30 p.m. Edmonton Saxophone Quartet. (Edmonton Room)

### *Centennial Library Theatre*

23 and 24 May, 8 p.m. Folk singer Su Chong Lim in concert. Tickets at Woodward's and the door.

### *Espace Tournesol*

17 and 18 May, 8:30 p.m. Folk and bluegrass music with Comely Cog.

21 and 22 May, 8:30 p.m. Maedee Dupres, solo dancer from Switzerland.

23 to 25 May, 9 p.m. Jazz with the Bob Stroup/Bob Tildesley Quintet. All concerts at Espace Tournesol, 11845 77 Street. Telephone 471-5235.

## Theatre

### *Théâtre français d'Edmonton*

16 to 25 May, 8 p.m. "Les Belles-Soeurs." Auditorium, Faculté Saint-Jean.

### *Workshop West*

#### *Playwrights' Theatre*

7 to 17 May, 8 p.m. "The Adventures of Benny the Beaver in the Third World War." Centennial Library Theatre. For ticket information, telephone 436-7378.

### *Northern Light Theatre*

14 May to 1 June. George

Bernard Shaw Festival. "The Dark Lady of the Sonnets" and "Village Wooing." For show times and ticket information, telephone 429-3110.

### *Catalyst Theatre*

15 to 25 May, 8 p.m. "City Slickers." Tickets available from all BASS outlets.

## Lectures and Seminars

### *Edward Herbert Boomer Memorial Lectures 1980*

Speaker: Dr. Enrico Clementi.

16 May, 11 a.m. "Solvent Effects in Enzymes and Nucleic Acids" (as an example of standard future computational chemistry). V-107 Physical Sciences Complex.

### *Canadian Biochemical Society National Lecturer for 1980*

16 May, 4 p.m. P.D. Boyer, Director, Molecular Biology Institute, University of California, will present a seminar entitled "How Mitochondria and Chloroplasts make ATP." 227 Medical Sciences Building.

### *Department of Computing Science*

20 May, 4 p.m. M.A. Bramer of The Open University of the United Kingdom will speak on "Computer Generated Databases for the Endgame in Chess." 617 General Services Building.

### *Technocracy Inc.*

20 May, 8 p.m. W. Fryers will explain "Technocracy's Theory of Energy Determinants." Rocking Chair Lounge, HUB Mall.

### *Paul Kane House*

21 May, 12 noon. "Battered Wives—Why does it happen?" Speakers from WIN House, Home for battered wives.

28 May, 12 noon. "Seniors' Role in the Community." with R. Williams, Field Representative from New Horizons. Paul Kane House, 10220 121 Street.

### *Department of Physics*

21 May, 2 p.m. A joint Relativity/Theoretical Physics

Seminar with Dr. J. Jorck of the University of North Carolina speaking on "Collision of Two Black Holes—The General Case." P631 Physics Building.

## Radio and Television

### *Department of Radio and Television*

Re-broadcast schedule for "The Legal Maze" at 7:30 p.m.:

19 May. "The Jury System"

26 May. "The Witness"

2 June. "The Legal Profession"

9 June. "Law of Copyright—Part I"

16 June. "Law of Copyright—Part II"

23 June. "Law for Travellers" CKUA Radio (580AM/95FM).

### *CJSR Radio*

Music. 8 a.m. to 11 a.m. Folk, country. 11 a.m. to 4 p.m. Rock. 4 p.m. to 6 p.m. Jazz. 6 p.m. to 7 p.m. Community Programming. 7 p.m. to midnight. Rock. News. 9 and 11 a.m. 1, 3, 4 and 9 p.m. Sports. 9:30 and 11:30 a.m. 1:30, 2:30, 3:30 and 9:05 p.m. Sundays. 4 p.m. "Probe," a weekly news magazine. 5 p.m. "Tempo." A classical music program.

Mondays and Fridays. 5 p.m.

"Around The Town." An entertainment guide for campus and Edmonton.

Thursdays. 9:10 p.m.

"Rendezvous." A feature of interviews and profiles.

Sundays. 5 p.m. "Science Magazine."

CJSR radio (1580AM/99.1 QC Cable FM and 90.9 Capital Cable FM).

### *CBC TV*

Saturdays at 10 p.m. CBC 5, Cable 4.

17, 24 May. Little Jazz Specials.

## Films

### *The National Film Theatre*

15 and 16 May, 7:30 and 9:15

p.m. 18 May, 8 p.m. "Dr.

Strangelove: or How I learned to stop worrying and love the

Bomb" (1963).

21 to 23 May, 7:30 and 9:15 p.m.

25 May, 8 p.m. "The Rubber Gun" (1977).

For information on the above please telephone the Citadel Theatre, 9828 101A Avenue, 426-4811, extension 69.

### *Provincial Museum*

17 May, 2 p.m. "Home landscaping," "Secrets of the plant world," "Growing, growing," "Leaves of Green."

18 May 4 and 7 p.m. "This is your museum speaking," "Louisbourg," "Wings of Time."

19 May, 2 p.m. Royal Family films, courtesy of the British Information Services.

20 to 22 May, 8 p.m. "North China Commune."

24 May.. 2 p.m. "Defensive Cycling," "Canadian Boating Test."

25 May, 4 and 7 p.m. "Folly on the Hill."

31 May, 2 p.m. "Conservation and Balance in Nature," "Conserving Our Wildlife Today," "Alberta's Changing Environment."

### *Edmonton Public Library*

"Kinky Westerns" Series.

24 and 25 May, 2 p.m. "They Call Me Trinity" (1972).

## Exhibitions

### *Ring House Gallery*

4 to 30 May. "Lima in Sweden." A Photographic exhibition of pictures taken between 1880 and 1938.

### *Queen Elizabeth Planetarium*

19 April to 29 June. A new show "Relatively Far" travels through time and space. For show times please call 455-0119.

### *Rutherford Library Galleria*

Continuing. "Canada's West: Photographs from the University of Alberta Archives." A selection of historical photographs relating to Western Canada.

### *Alberta Culture*

Continuing. "The Persons they Were: Alberta Women, 1905-



1929." Feature Gallery #1 of the Provincial Museum.

*Continuing.* "Discovering Dinosaurs." Provincial Museum.

*Continuing.* Photographs from the Public Affairs' Collection. Archives Lobby, Provincial Museum.

24 May. "Edison and the Electrical Age." Feature Gallery #2 of the Provincial Museum.

### *Edmonton Public Library*

1 to 31 May. An exhibition of black and white photographs by Diana Palting. Photography Gallery of Centennial Library.  
5 to 31 May. Exhibition and sale of work by local artists. Proceeds of sale go to Workshop West. Foyer Gallery of Centennial Library.

### *Fireweed Gallery*

13 to 24 May. An exhibition of watercolors and oils by W.J. Simpson

### *Multicultural Heritage Centre*

2 May to 3 June. An exhibition of photographs of Alberta by Norma McBean.

4 May to 25 May. Settlers Cabin—a "living" museum with demonstrations of pioneer crafts. Weekends. 1 to 4 p.m.

### *Beaver House Gallery*

9 to 30 May. Alberta Ceramics Showcase '80. An exhibition of works in clay sponsored by the 75th Anniversary Commission.

### *Southgate Shopping Centre*

9 to 17 May. A photographic exhibition of art, architecture and the people of Nepal and India by Urmila Garg. Lower Floor Community Room.

## Sports

### *Swimming Lessons*

Classes are offered to adults and children at all Red Cross "Learn to Swim" levels, in RLSS Life Saving, and certain speciality areas. Brochures are available at W1-34 PERC and at the Pool Office. For more information, telephone 432-3570.

### *GO Tournament*

31 May and 1 June. 9 a.m. to 4 p.m. The tournament will feature competition at all levels. Entry fee \$6 by 28 May. Southwest Cultural Centre, 11507 74 Avenue. For more information, call 433-1566 or 436-5808.

## service information

*Information must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Notices should be sent to 423 Athabasca Hall*

## Notices

### *The Retirement of Norma Freifield*

Norma Freifield, Head of Circulation Services, will soon retire after 39 years of service to The University of Alberta. Not only was she one of the guiding figures behind the growth of the University Library, but she was also personally involved in many activities of the University community, especially at the University Women's Club.

To allow University staff the opportunity to congratulate Miss Freifield on her many years of service, the Library has arranged a reception at the Faculty Club on Wednesday, 21 May at 3:30 p.m. in the Papaschase Room. All friends and colleagues are cordially invited to attend.

RSVP to Mrs. Shirley Meyer, 432-3790.

### *Campus Law Review Committee*

The Campus Law Review Committee will meet on Thursday, 29 May, at 9 a.m. in 3-17 University Hall. On the agenda is the Review of the Code of Student Behavior.

Anyone wishing to make a written or personal submission should give notice of such intention to Mrs. L. Plaskitt, 2-1 University Hall, telephone 432-4715.

### *Biofeedback Workshop*

A biofeedback workshop for clinicians will be held 23 and 24 May in 129 Education South. Workshop coordinator, Dr. G. Fitzsimmons, Department of Educational Psychology,

has announced three specialty routes: Physical Medicine, Behavioral Medicine, and Dentistry. Advanced registration fee of \$75 should be sent to Evangeline Walker, Educational Psychology, Edmonton T6G 2G5, with checks payable to the Biofeedback Association of Alberta.

### *Convocation: Volunteers Required*

The Office of Personnel Services and Staff Relations has been asked to arrange for twenty-five volunteers to act as ushers for the Spring Convocation on the afternoons of 2, 3, 4, and 5 June. All departments and Faculties are asked for their support. Ushers are required for approximately one and one half hours and should report at 1:15 p.m.

After they have finished their duties, ushers may attend the convocation exercises or may take the rest of the afternoon off.

### *The Retirement of Mr. Rousell*

Murray A. Rousell, Comptroller, will retire from his position on 31 May 1980 after thirty-four years of service to The University of Alberta. A reception in his honor will be held at The Faculty Club, in the Upper Lounge, on Thursday, 22 May, from 4 p.m. to 7 p.m.

Mr. Rousell's many friends and acquaintances are invited to attend the reception to extend their wishes to him on his retirement.

For more information, please telephone Mrs. E. Kvill at 432-4684.

### *Volunteers Required*

The University of Alberta Hospital requires volunteers in over twenty-five areas within the facility. The hospital offers a wide variety of jobs and personal experience. People who have some spare time and would like to help their fellows, should contact the Hospital Volunteer Office in the Main Building or should telephone 432-8428.

### *Historical Interpreters Required*

Volunteer Historical Interpreters are needed at the Fort Edmonton Park. Although a special training program will be offered for such interpreters in September, those who wish to become involved in learning—and helping others to learn more—about our city's exciting past can do so now. "On the job" training in such crafts as quilting, spinning, beading, needle crafts, leather work, for example, is already being offered at the Park. For further information please telephone Fort Edmonton Park at 436-5565.

### *Ssong-Jeon Association*

Folio has received a request from the Ssong-Jeon Association of South Korea to assist in bringing its activities to the attention of members of our University community. According to the information received, the Ssong-Jeon Association is an organization of students who engage in community work, discussions of

national and international concerns, and research over a wide range of issues. The Association would like to correspond with interested people on an individual basis. For further information, please write to the Ssong-Jeon Association, P.O. Box 36 Jeon Ju, Jeon-BUK520, South Korea.

## Scholarships, Fellowships and Awards

### *Theatre Scholarships*

The Houselighters of the Citadel Theatre wish to publicize their scholarship program aimed at people considering a career in theatre. The awards include the Dame Peggy Ashcroft Scholarship, the John Neville Scholarship, the Kayla Shoctor Award of Merit, and the Jonas Applegarth Scholarship. These awards are named in honor of the contributions which these people have made to the Citadel Theatre. The Dame Peggy Ashcroft Scholarship and the Kayla Shoctor Award of Merit are open to all recognized fields of theatre study, the John Neville Scholarship is offered in classical theatre, and the Jonas Applegarth Scholarship is specifically designed to assist Indian or Métis students.

Auditions are not required of applicants but full résumés, including letters of recommendation from teachers, should be submitted as soon as possible to Mrs. Louise Rosen, 163 Wolf Willow Crescent, Edmonton, Alberta T5T 1T3.

## Non-Credit Courses

### *Faculty of Extension*

#### *Designing and Administering*

*Pre-Retirement Programs*  
Date: 22 and 23 May. Time: 9 a.m. to 4:30 p.m. Fee: \$75 includes lunch both days. Telephone: 432-3033.

#### *Planning Growth Strategies*

Date: 27 and 28 May. Fee: \$195.  
Registration deadline: 16 May.  
Telephone: 432-5066, 432-5067.

#### *Should I Buy This House?*

Date: 29 May to 19 June, Thursdays.  
Time: 7 to 9 p.m. Fee: \$25 per person or \$35 per married couple who share materials. Telephone: 432-5060.

#### *Fat as a Food and as a Dietary Component*

Date: 30 and 31 May. Time: 8 to 9:45 p.m. and 9 a.m. to 3 p.m.  
Registration deadline: 16 May. Fee: \$35 includes evening reception, lunch and coffee. (Students \$20). Telephone: 435-0384, 432-5997.

#### *Lighting Seminar*

Date: 27 and 28 May. Fee: \$175, including lunch. Telephone: 432-5532.

**Basics for Installation, Operation and Maintainability of Hydraulic Systems**

Date: 29 and 30 May. Fee: \$190, including lunch and materials. Telephone: 432-5532.

**Integration of Passenger Terminals**

Date: 30 May. Fee: \$15, including lunch. Telephone: 432-5061.

**Automated Systems for Small Business**

Date: 2 and 9 June. Fee: \$75 one day, \$125 both days, includes materials and lunches. Telephone: 432-5066, 432-5067.

**Time Management for Executive Secretaries and Administrative Assistants**

Date: 6 June. Fee: \$95 including materials and lunch. Telephone: 432-5066, 432-5067.

**Students' Union**

**Students' Union Art and Craft Centre**

26 May to 31 July. Classes are offered in Drawing, Watercolor, Painting, Pottery, Batik, Weaving, Quilting, Crochet, Knitting, Spinning and Dyeing. Saturday Teen classes and Special Summer Workshops also available. For information call 432-4547, 432-3061.

**John Janzen Nature Centre**

19 May, 7:30 to 9:30 p.m. and 24, 25 May, 1 to 5:30 p.m. Nature photography. 25 May, 9 a.m. to 4 p.m. Willow Basketry. 31 May and 1 June; 7 and 8 June, 1 to 4 p.m. Drawing in the Out of Doors. 1 June, 10 a.m. to 4 p.m. Dyes from Nature. For further information on these courses call 434-7446.

**Alberta Culture**

23 to 25 May. A workshop co-sponsored by Alberta Culture and the Flagstaff Creative Writers, will be held in Killam, Alberta. For further information telephone 427-2554. 7 to 12 July. Dance Teachers' Clinic at Camrose Lutheran College. Registration deadline: 1 June. For information telephone 427-6713.

**Positions Vacant**

**On-Campus**

**Nurse Practitioner Program Instructor**

Applications are being accepted for the position of obstetrical instructor. This appointment will commence 2 June 1980. Areas of responsibility include:

lectures in obstetrics, clinical supervision, preparation of exams and marking of assignments and exams, and some monitoring of general lectures.

Requirements for the position are: midwifery preparation and extensive experience, graduation from a nurse practitioner program and/or nursing station experience. A BSc degree is preferred.

Please direct further enquiries and curriculum vitae to: Nursing Director, Nurse Practitioner Program, 3-103 Clinical Sciences Building, The University of Alberta, Edmonton, Alberta, T6G 2G3.

**Non-Academic Positions**

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 9 May 1980.

Clerk Steno II (\$861.22-\$1,030.83)—Audiovisual Media Centre  
Library Clerk III (\$893.47-\$1,069.05)—Geography  
Clerk Typist III (\$922.13-\$1,109.66)—Pharmacy; Student Affairs  
Clerk Steno III (\$959.16-\$1,157.44)—Educational Administration; Mineral Engineering  
Clerk Steno III (part-time) (\$479.58-\$578.77)—Geology  
Laboratory Assistant III (\$959.16-\$1,157.44)—Obstetrics and Gynaecology  
Medical Steno (\$1,030.83-\$1,257.77)—Medicine; Pediatrics; Psychiatry  
Secretary (\$1,069.05-\$1,309.14)—History; Business Administration and Commerce (two positions)  
Departmental Secretary (\$1,205.22-\$1,484.74)—Religious Studies  
Building Services Worker II (\$959.16-\$1,157.44)—Housing and Food Services  
Equipment Assistant I (\$991.42-\$1,205.22)—Physical Education  
Technical Assistant (\$991.42-\$1,205.22)—Pharmacology  
Storeman II (\$1,030.83-\$1,257.77)—Chemistry  
Building Services Worker III \$1,069.05-\$1,309.14)—Physical Plant (two positions)  
Civil Engineering Technician I (\$1,069.05-\$1,309.14)—Civil Engineering  
Technician I (\$1,069.05-\$1,309.14)—Medicine (trust); Anatomy  
Technician I/II (trust) (\$1,069.05-\$1,484.74)—Physiology  
Technician I/Technologist I (trust) \$1,069.05-\$1,484.74)—Immunology  
Control Centre Operator I (\$1,109.66-\$1,365.29)—Physical Plant  
Draftsperson I (\$1,109.66-\$1,365.29)—Interior Design; Physical Plant  
Building Services Worker IV (\$1,157.44-\$1,423.81)—Physical Plant  
Maintenance Worker I (\$1,157.44-\$1,423.81)—Physical Plant  
Security Officer I (\$1,205.22-\$1,484.74)—Campus Security (two positions)  
Chemical Technologist I (\$1,205.22-

\$1,484.74)—Home Economics  
Laboratory Technologist I (\$1,205.22-\$1,484.74)—Provincial Laboratory  
Technologist I (part-time, trust) (\$1,205.22-\$1,484.74) (full-time equivalent)—Pediatrics  
Graphics Technician II/III (\$1,205.22-\$1,690.17)—Technical Services  
Draftsperson II (\$1,257.77-\$1,550.43)—Physical Plant  
Computer Operator II (\$1,257.77-\$1,550.43)—Educational Research Services  
Art Technician Demonstrator I (\$1,309.14-\$1,617.33)—Art and Design  
Electronics Technician II/III (\$1,309.14-\$1,843.07)—Physics  
Administrative Assistant (\$1,365.29-\$1,690.17)—Faculté Sait-Jean; Political Science  
Art Technician Demonstrator II (\$1,484.74-\$1,843.07)—Drama  
Engineering Technologist III (\$1,484.74-\$1,843.07)—Physical Plant  
Programmer/Analyst II/III (\$1,484.74-\$2,195.45)—Administrative Systems (2 positions); Printing Services  
Biochemistry Technologist III (trust) (\$1,550.43-\$1,924.31)—Medicine  
Machinist Technician III (\$1,617.33-\$2,009.10)—Physics  
Programmer/Analyst III (\$1,763.03-\$2,195.45)—Computing Services; Business Administration and Commerce  
Engineering Technologist V (\$1,924.31-\$2,400.90)—Physical Plant

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library—Room 512 should be consulted for further information as to availability and position requirements.

Library Clerk II (\$830.15-\$991.42)—Education  
Keypunch Operator (\$849.11-\$1,021.79)—Systems  
Library Clerk III (\$893.47-\$1,069.05)—Cataloguing (two positions)  
Library Assistant I (\$959.16-\$1,157.44)—Cameron Reserve Reading Room  
Programmer/Analyst III (\$1,763.03-\$2,195.45)—Systems  
Programmer/Analyst IV (\$2,101.07-\$2,629.04)—Systems

**Off-Campus**

**Temporary Research Assistant**

A group studying breast disease in northern Alberta requires a Research Assistant for three months commencing as soon as possible. Duties will consist mainly of analysis of clinical data, already collected on family history and bilaterality of breast cancer. Ability to write scientific papers, to work independently and develop ideas is essential. Must have knowledge of research methods, basic statistics and data analysis. Ideal for research-oriented summer student with medical or statistical background.

Apply: Director of Personnel, Cross Cancer Institute, 11560 University Avenue, Edmonton, Alberta. T6G 1Z2.

**Advertisements**

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

**Accommodations available**

For rent—In London, England, from July 1980, fully furnished, three-bedroom house; central heating, garden, parking; close to schools, shops; 25 minutes westend. £220 p.m. Enquiries 469-2033.

For sale—Two lakefront lots, 50 miles northwest, beautifully treed. Newly subdivided, underground gas and power, excellent financing. Let hyperinflation work for you. No building commitment. Suderman Developments. 435-8234.

We purchased the last lot backing onto Bears paw Lake, in the Yellowbird subdivision. Will build to suit, or help you be your own contractor. Suderman Developments. 435-8234.

For sale—Parkallen. Attractive, tidy semi (1,200 sq. ft.), beautifully treed large lot, \$50,000 first mortgage. Riverbend. Super 1,980 sq. ft., four bedroom home! Super location! Super price! Super \$80,000 mortgage! Call Deanna Larson 481-0936, Spencer Real Estate 436-5250.

For sale—Small, attractive, well-kept home. Curtains, stove, dryer, double garage, large trees, 1.18 lots. 66 Avenue west of 109 Street. \$59,500. 434-4951 after 5 p.m.

For sale—Blue Quill. Perry's three bedroom bungalow. Family room, fireplace, carpeted, appliances, sun-deck, garage pad, fenced. One block school, bus. Reduced to \$124,900. 432-5653, 988-5136 after 6 p.m.

For rent—Bungalow at 8932 116 Street. \$600 monthly. No pets. Family. 439-4207.

For rent—1 June. Walking distance to University. Main level of house: two bedrooms, major appliances. Garage, garden. \$500. 434-0569.

For rent—Spacious, easy-to-keep Riverbend bungalow, three bedrooms, one with built-in bookshelves, bath and half-bath, self-cleaning double-oven stove, side-by-side fridge, dishwasher, washing machine, drapes, fireplace in living room, single garage with remote-control door opener, fenced yard, fruit, vegetable patch, cat. Close to public and separate schools and bus to University/downtown and Southgate. Furnished for two adults and school aged child: two children possible. Available 1-15 June, 1980 to 15-30 August, 1981. 432-4628, 434-5480.

- For sale—Three bedroom bungalow. Ritchie district. Large lot, nicely landscaped. Fenced back yard. Great potential. Clear title. 452-5092 after 5 p.m.
- For sale—Belgravia. Three bedrooms with separate dining room and study. Fireplace. \$97,000. 436-8092.
- Sublet—Westend. Luxury condominium. June, July, August. Fully furnished. Responsible individuals. No pets. \$650 monthly. 487-7690 evenings. 427-5634 days.
- For sale—By owner, Belgravia. Bright, spacious, three bedroom bungalow. Wet bar, mature landscaping, walking distance to University. Excellent downtown bus service. Phone 434-6098.
- For rent—1 July - 15 August. Lovely furnished, four bedroom, ½ duplex. Family preferred. \$550 monthly. Phone 475-0271. 34 Homestead Crescent, Edmonton.
- For sale—Pool-sized, professionally landscaped lot complements this immaculate, four bedroom, Perry, presidential in Riverbend cul-de-sac. Living room Tyndalstone fireplace, main floor laundry, double attached, front drive garage. \$65,000 mortgage at 10¾% until June 1983. June Hill, Spencer Real Estate Ltd. 433-2396, 436-5250.
- For rent—Equipped holiday condominium on Lake Windermere, B.C. Includes sports facilities and extras. 434-0115.
- For rent—Basement suite, 9806 93 Avenue. Available immediately. \$225 monthly. Phone 439-5028 after 6 p.m.
- For rent—Home in S.W. Edmonton. Summer only. Phone 434-7259.
- For sale—1,545 sq. ft. bungalow in Windsor Park with three bedrooms, woodburning fireplace and parklike backyard which provides complete privacy and play area for children. Call Bob Halpern, Spencer Real Estate, 436-5250 or 437-4352.
- For sale—Invest renting dollars. Own your own two bedroom condominium unit. Completely carpeted. Dishwasher included. Ideal southwest location. Requires \$16,500 cash to existing mortgage. Phone today. Joy Murray, Block Bros. Realty. 436-4240, 437-1612.
- For sale—Townhouse. Garneau. Half block University. Architecturally designed. Three skylights, hardwood floors, seven appliances, fireplace, garage plus parking, two bedrooms, and two, four-piece baths. Exciting! \$149,900. Must be seen. Call Spencer Real Estate. 436-5250.
- For rent—Unfurnished bachelor, one and two bedroom suites in highrise near University Hospital. For appointment phone 433-1676.
- For rent—Four bedroom bi-level in St. Albert. 1 September to either 1 May or 30 June, 1981. Fully furnished, five appliances. Five schools within two blocks. Close to bus. Garage. Family preferred. \$600 monthly. 458-0907.
- For rent—Executive townhouse in Ermineskin. Furnished, two bedrooms and den. Attached double garage. Fireplace. One or two year lease available August or September. Deposit required. 432-6361 or 435-0972.
- For rent—Rooms. Furnished. 85 Avenue. Kitchen facilities available. Box 376, University of Alberta.
- For rent—Victoria townhouse, new, two bedrooms, on Gorge. No Pets. 434-7578.
- For sale—Lakefront cottage. Attractive two bedroom redwood cabin recently renovated, 15 minutes southeast of city at Sunset Bay on Cooking Lake. Stone fireplace, beautiful view. 462-0748 or 922-4771.
- For sale—Executive retreat, one half hour from University. 5.85 acres, 1,880 sq. ft. cedar ranch bungalow surrounded by trees. Living room with fireplace, separate dining room, country kitchen with pantry makes entertaining easy. Family room opens onto deck, three bedrooms, two baths. Call Maureen Westlake. Spencer Real Estate. 436-5250, 434-6958.
- For rent—Fully furnished, four bedroom house in Greenfield. Close to schools and bus route to University. Available for one year from August, 1980. 432-3971, 435-2855.
- For rent—1 June. Three bedroom house near University, yard, garage. \$500. 962-4013.
- For sale—Lake lot at Lake Isle. Tall spruce. 434-3079.
- For sale—By owner. 30 exceptionally scenic acres of woods and meadows, bordering 70 acre lake. All utilities to property, power installed to ideal building site. 34 miles south-east of Edmonton near Miquelon Lake. Asking \$43,000.—75 acres rolling high land. 60 acres cultivated, 15 acres birch and spruce. Ideal building site with all utilities to property. 30 miles southeast Edmonton, near Miquelon Lake. Asking \$73,000. 487-6477, 466-8569, 469-0762.
- For sale—By owner. Belgravia. Well maintained, two storey home with four bedrooms, three bathrooms. Large renovated kitchen and hardwood floors throughout. Beautifully landscaped, large lot. Clear title. 434-7601 after 6 p.m.
- For rent—Two bedroom house, Strathcona, close to University. Furnished or unfurnished. Available July and August, \$350 monthly plus utilities. Non-smokers, no pets. 439-2435.
- For sale—This lovely, three bedroom, open-beam bungalow is located in a prime area, close to Southgate, University and schools. With a large living room, bath and a half, and developed basement. It won't last long! Call us for more information. Dian Ohm or Tom Mudry 436-6465 or pager 464-5500, #1802.
- For sale—Best buy—Petrolia. If you like to "putter around" and fix things this is the home for you. Needs some painting, some fixing and just a little tender, loving care. When you're finished you will enjoy the generous living room with its log burning fireplace. Upstairs your family will appreciate the four spacious bedrooms. Wide centre hall plan. Asking only \$102,500. Excellent terms (\$16,000 could get you started). Hurry it won't last long. Call Earl Scoville, office 436-5080, res. 436-4488. A.E. LePage Melton Realty Ltd.
- For lease—Two storey furnished farmhouse on 15.6 acres. Nine miles south of Spruce Grove, completely renovated, three bedrooms, bath, fireplace, deck and pantry. 1½ acre garden, three acre pasture, lawn and large trees in beautiful country setting. 40 minutes to University. 1 July, 1980 to April, 1981 or longer. \$600 monthly. Joanne McNeal weekdays at 453-3466, 963-4427.
- For rent—Share four bedroom furnished home. Garden, utilities included at \$180. Short walk to University. Non-smoker. 436-9238 evenings.
- For sale—Four bedroom, two storey in prestigious Blue Quill. Excellent financing. Numerous extras, including intercom, vacuum system. Open house Saturday 17 May, Sunday 18 May 1 - 5 p.m. By owner. 11152 30 Avenue. 435-6652.
- For sale—Attractive, four bedroom, two storey home in exclusive "Grand-view" area. This executive property features extra large living room, main floor den. Professionally done recreation room, two wood burning fireplaces, mature landscaping. Assumable mortgage at 11%. Faye Lund, Block Bros. Realty. 436-4240, 487-2422.
- For sale—Westend view property. Three bedroom bungalow with developed basement. Large lot 90 feet by 137 feet on Laurier Drive. \$135,900. existing mortgage \$59,000 at 10¼%. Call Faye Lund, Block Bros. Realty 436-4240, 487-2422.
- For rent—One bedroom, furnished apartment. Blue Quill. 1 July - 31 August. Close to bus. 436-6982.
- For sale—Glenora. Executive bungalow. Attractively finished on both levels. Beautiful mature trees, triple garage. \$129,000 with excellent financing. Call Liz Crockford. Spencer Real Estate. 436-5250, 434-0555 res.
- For sale—Custom built, New England traditional, two storey, 3,300 sq. ft., spacious, four bedrooms. Oak flooring, excellent finishing and construction, desirable Westbrook location. Call Liz Crockford. Spencer Real Estate. 436-5250, 434-0555 res.
- For sale—Immaculate older home on large 52x160' lot with huge double garage in Pleasantview. Excellent financing available at attractive rate. Spencer Real Estate. Call Sharon 435-8344 or Pat Hurlburt 436-5250, 463-1159.
- For sale—Cedar bungalow, 1,640 sq. ft. plus additional outstanding finishing in the lower level. Four bedrooms, two fireplaces, sauna, double garage, all appliances, immaculate, beautiful location. Call Liz Crockford. Spencer Real Estate. 436-5250, 434-0555 res.

### Accommodations wanted

By visiting professor, wife and one year old child; preferably a house unfurnished near University. Excellent tenants. 1 August, 1980 to August, 1981. Contact Professor D.P. Jones, Law Faculty, 432-5568.

Responsible family (two children 12, 14) requires furnished apartment or house for summer school period. 434-7971 evenings, 434-0236 also evenings.

Wanted by young family, furnished home to rent for summer school, 1980. Near University. Please phone 527-7580 Medicine Hat, Alberta.

Faculty couple, no children, outdoor sheltie, seek to rent apartment or small house, furnished or unfurnished, close to campus or bus route. Required from September 1980 to June 1981, or thereabouts. Office 432-5891, home 433-4369.

New faculty member, professional single woman, seeks unfurnished rented accommodation from mid June or beginning July, 1980. Requires three bedrooms (or two plus den) and all appliances. Access to swimming pool an asset. Townhouse or house preferred, but apartment considered. Replies and further details: Pauline 432-6378.

Visiting professor and family wish to rent small fully furnished house or two bedroom apartment near University. 1 September, 1980 - 30 April, 1981. Phone 432-3537.

Responsible woman with eight year old daughter requires house within walking distance of U of A campus. Occupancy 1 June. Have excellent references, and am willing to sign one year lease. Maximum rent \$500. Call Norah 462-7754.

Reliable, professional family (two children) requires rental house 1 July, preferably two mile radius 70 Avenue and 116 Street. Dr. D. Armstrong, 402B Gardiner Place, Saskatoon, 373-6516.

House to rent, furnished. Southside. Mid June through July and August. 436-3028.

### Automobiles and others

Wanted older Datsun 510 or other Japanese car, working or not. 477-2908. 1974 Holidaire travel trailer, 23' tandem, fully equipped, canopy, forced air furnace, immaculate condition. 467-2883, 432-5155.

1978 Toyota Corona stationwagon, warranty, mint. Bought new in 1979, 9,000 miles. Five speed. Factory cassette. \$5,900. Consider trade under \$2,000. 439-5370.

1979 Rabbit. 19,000km. Excellent condition. 439-3591.

1951 Ford one ton. All-round good condition. Phone 878-3782.

### Goods for sale

For sale—8' handcrafted table and six chairs (dark pine, oil finished). 455-6512.

Moving to Halifax: Entire household and garage sale. Must sell everything! Drop by this weekend 12401 126 Street. (10 a.m. - 9 p.m.) inquiries welcome. 455-6512.

Color TV 17" Viking. Stereo-8 track player with AM/FM receiver. Smith Corona electric typewriter. 488-1206.

For sale—Stove: Kelvinator, gold, electric, good condition. \$100. 432-4473, 454-6805.

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Kozak Business Services: Typing of theses, résumés, reports, manuscripts, proposals and correspondence. Student discounts available. #305, 9924 106 Street. 423-3068, 483-6075.

Residential wiring—Small or large jobs. Quality work, reasonable rates. Call David 437-7792.

Yoga for better health: Keep-fit yoga offers classes Wednesday 5 p.m. at University. Twelve weeks. Starts 11 June, ends 3 September. Fee \$30. University full-time students \$20, part-time students and employees \$25. Registration: room 9, floor 14, Tory Building, 11 June 4:30 p.m. Equiries to Box 184, University Post Office.

Painting—University students, five years' experience. Very reasonable rates. For free estimates phone 436-7510.

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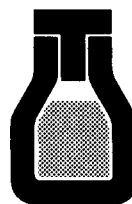
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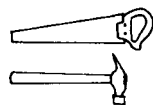
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